

Healthy Turf, Fewer Hassles.



“ We use Flexx™ to build the health and resistance of the plants, so we can use less pesticides and maintain a healthy turf that golfers like. The technology behind Flexx™, with the biologicals and micronutrients both, is such that we can reduce our fertilizer and fungicide use while improving plant health, over a period of time. If we can care for our course and grass with a minimum of water, pesticides and fertilizers and still come up with a premium product that golfers enjoy, it improves our bottom line. That's why we're using Flexx™ and considering the use of other biologicals. ”

*Matt Cyrus, Partner Aspen Lakes Golf Course
Audubon Signature Sanctuary Program Member*

Rhizobacteria

PHC turf products contain beneficial bacteria and rhizobacteria that produce specific responses:

- Plant-Growth Promoting Rhizobacteria produce a variety of chemicals that stimulate plant growth.
- Free-Living or Non-Symbiotic Nitrogen-Fixing Bacteria increase plant growth by fixing atmospheric nitrogen for plant use.
- Phosphate-Solubilizing Bacteria solubilize phosphorus for plants from insoluble mineral sources.
- Bacteria Antagonistic to Root Pathogens produce antibiotics or are hyper-parasitic to inhibit root pathogenic organisms, such as *Pythium*, *Phytophthora* and *Rhizoctonia*.
- Mycorrhizosphere Bacteria improve mycorrhizal development and their function.



Flexx™ is a potent, dry water-soluble biostimulant with fully chelated micronutrients, beneficial bacteria and yucca extract wetting agent. The fast-acting Flexx™ formula stimulates root growth, improves resistance to stress and disease, and promotes greener, denser turf that plays more consistently.



Damaged Green not treated with Flexx™



Damaged Green treated 3 times with Flexx™ after 2 months

THE FLEXX™ DRY ADVANTAGE

- Easy to mix and apply
- 7% Chelated Iron plus micros
- Lower cost vs. liquids
- Beneficial bacteria
- Extended shelf life
- Heat and freeze tolerant



Packaged in pre-measured 7 lb. bags, the unique, dry Flexx™ Turf Premix costs less per application, ships more economically, stores more efficiently and won't freeze, separate, degrade or ferment on the shelf like most liquid products.

Below-Ground Turf ecology

A NATURAL SYSTEMS APPROACH

The PHC approach to turfgrass management is to create soil conditions that best allow the natural growth processes of turfgrass to perform as desired. While natural soil ecosystems contain plentiful beneficial bacteria and mycorrhizal fungi that ensure healthy, sustainable growth, intensively managed turf typically lacks microbial diversity. As a result, disease, nematodes and nutrient stress on tees and greens is commonplace.

WHERE SCIENCE AND NATURE CONVERGE

PHC Turf Products are designed to restore a functional biological ecosystem to distressed and depleted soils. Our "Natural Systems Approach" emphasizes prevention over cure, and cooperation with natural growth processes over chemical treatment. The result is a more sustainable, environmentally compatible turf management program.



Available from Plant Health Care, Inc.
and select PHC Distributors

1-800-421-9051
www.planthealthcare.com

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Beneficial Bacteria Products



PHC™ Compete™ Microbial Inoculant

Dry, dispersible rhizosphere inoculant that contains 20 strains of microencapsulated beneficial bacteria and actinomycetes, plus four strains of Trichoderma. Formulated with dry soluble yucca extract and organic biocatalysts to ensure rapid colonization of the plants' rhizosphere to minimize turf diseases and improve nutrient availability.



PHC™ BioPak™ Biostimulant

A dry, water-soluble biostimulant with Nitrogen-fixing and Phosphorus-solubilizing bacteria. Promotes fast development of fine absorbing roots and stimulates biological processes essential for growth and nutrient availability. Does not degrade in hot weather or freeze in winter like liquid products.

Fall Armyworm and Sod Webworm Control



Lepinox™ Bt bioinsecticide

The only biological control material registered for control of fall armyworm on turf. Contains multiple insecticidal proteins to control Lepidopteran worm pests, such as sod webworms, bagworms, loopers, hornworms and more.

Stimulate VA Mycorrhizal Fungi



Colonize™ for Turf

A dry, water-dispersible formulation containing a patented, naturally-occurring isoflavone, which stimulates the rapid colonization of turf grass roots by native or inoculated VA mycorrhizal fungi. This helps to improve the water and nutrient uptake capabilities of these grasses, and allows preferred endomycorrhizal grass species such as bentgrass and bermuda grass to out-compete Poa annua.

Reduce Thatch Buildup



Dethatch™ Turf Dethatcher

Our blend of proprietary soil bacteria accelerate the decomposition of turfgrass thatch by breaking down and digesting dead plant material. Regular application establishes healthy populations of the bacteria in the soil to help prevent problems associated with thatch buildup.

Increase Water Penetration and Dew Control



Yuccah™ Natural Wetting Agent

Here is a safe, natural alternative to chemical wetting agents, spreaders and soil penetrants. Outperforms comparable chemical surfactant products without the risk of burning turfgrass. Ideal treatment for soil compaction and dew control.

Improve Water Clarity . . . Naturally.



PondSaver™

Unlike conventional chemical treatments, PondSaver™ is an all natural concentrated blend of 17 proprietary strains of dry, live bacteria that quickly and naturally degrade the nutrients, organic matter and hydrocarbons, clearing the water in small ponds and lakes.